# RF wireless Remote Controller
## Classy Series (R6,R6-1,R11,R16,R21)

**SBL®**
LIGHTING
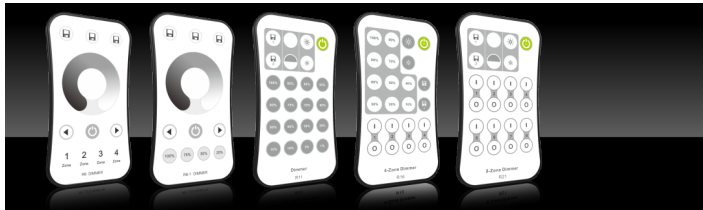
## Summary

● Match with our single color controllers or smart LED lamps.
● Single zone, four zone and eight zone version are available.
● Adopt 2.4GHz wireless technology, remote distance up to 30m.
● CR2032 button battery power supply.
● Operate with LED indicator light.
● Each remote can match one or more receiver.

## Technical Parameters

● Output signal: RF(2.4GHz)
● Working voltage : 3VDC(CR2032)
● Working current: < 20mA
● Standby current: R6,R6-1: < 10μA
　　　　　　　　R11,R16,R21: < 4μA
● Standby time: R6,R6-1: 6 months
　　　　　　　　R11,R16,R21:12 months
● Remote distance: 30m
● Working temperature: -30℃~55℃
● Dimension: L107×W58.5×H9mm
● Weight: 34g

## Dimension

58.5mm

107mm

58.5mm

9mm
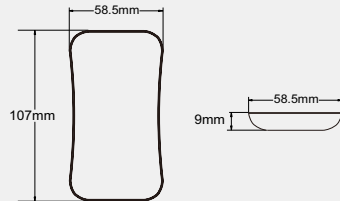
## Match method

**For controller with match key**
● Match: Short press match key, within 5s, press any key of the remoter.
● Delete: Long press match key for 5s, delete all matched remoters.

**For panel controller**
● Match: Turn on light, turn off, immediately press on/off key for 5s,
　　　　within 5s, press any key of the remoter.
● Delete: Turn on light, turn off, immediately press on/off key for 10s, delete all matched remoter.

**For smart lamp**
● Match: Switch off the power, then switch on power again,
　　　　short press on/off key 3 times on the remoter quickly within 5s after power on,
　　　　the link is done once the light blinks 3 times.
● Delete: Switch off the power, then switch on power again,
　　　　short press on/off key 5 times on the remoter quickly within 5s after power on,
　　　　the unlink is done once the light blinks 5 times.

**Note: 4/8 zone remoter must use zone key match each zone receiver.**

## Key Function

**Model: R6**
**4 zone DIM remoter**

3 Scene
Bright wheel
Bright-
4 Zone
On/Off
Bright+
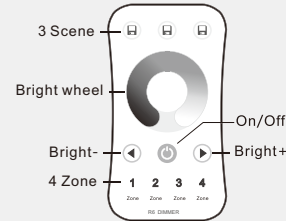
On/Off: Short press turn on/off current zone light,
　　　　long press 2s turn off all zone light.
1,2,3,4 zone: Short press select and turn on zone light,
　　　　long press 2s turn off zone light.
　　　　Continuous short press multiple zone key,
　　　　can synchronous select multiple zone.
Bright wheel: Touch to change current zone brightness.
Bright+/-: Adjust brightness, short press 10 levels,
　　　　long press 1-5s continuous 256 levels adjustment.
3 Scene: Short press run the scene, long press 2s save.
　　　　4 zone run or save synchronously.

**R6 is default as 4 zone dimming remoter, also can be used as single zone 4 channel dimming remoter.**
**On/Off + Zone4**: Long press 2s set as 4 channel dimming remoter, match with one receiver of 4 channel,
　　　　such as V4 or C4 controller.
**On/Off + Zone1**: Long press 2s set as 4 zone dimming remoter, match with four receivers.

**Model: R6-1**
**Single zone DIM remoter**

3 Scene
Bright wheel
Bright-
On/Off
Bright+
4 Bright
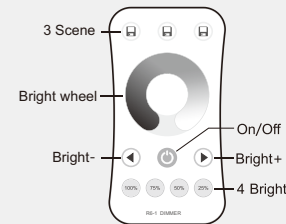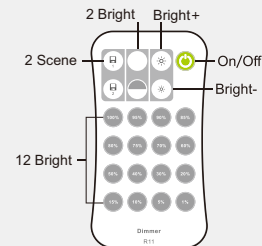
On/Off: Turn on/off light.
Bright wheel: Touch to change brightness.
Bright+/-: Adjust brightness, short press 10 levels,
　　　　long press 1-5s continuous 256 levels adjustment.
100%,75%,50%,25%: Get 4 kinds brightness directly.
3 Scene: Short press run the scene, long press 2s save.

**Note**: To extend battery life,
no touch or press key operation after a few seconds,
the touch wheel will enter sleep state,
you need press any key to make touch wheel quit sleep state.

**Model: R11**
**Single zone DIM remoter**

2 Bright
Bright+
2 Scene
On/Off
Bright-
12 Bright

On/Off: Turn on/off light.
Bright+/-: Adjust brightness, short press 10 levels,
　　　　long press 1-5s continuous 256 levels adjustment.
2 Bright: Get 100% or 50% brightness directly.
12 Brightness: Get 12 kinds brightness(1%-100%) directly.
2 Scene: Short press run the scene, long press 2s save.

**Model: R16**
**4 zone DIM remoter**

Bright+

All on/off

10 Bright

Bright-

2 Scene

Zone on

Zone off

4-Zone Dimmer
R16
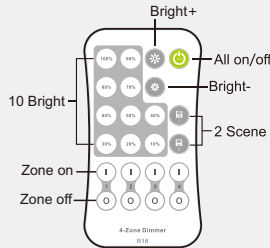
All on/off: Turn on/off all 4 zone light.
1,2,3,4 zone on/off: Turn on/off zone light.
           Continuous short press multiple zone on key,
           can synchronous select multiple zone.
Bright+/-: Adjust brightness, short press 10 levels,
          long press 1-5s continuous 256 levels adjustment.
10 bright: Get 10 kinds brightness(10%-100%) directly.
2 Scene: Short press run the scene, long press 2s save.
          4 zone run or save synchronously.

**R16 is default as 4 zone dimming remoter, also can be used as single zone 4 channel dimming remoter.**
**All on/off + Zone4 on**: Long press 2s set as 4 channel dimming remoter, match with one receiver of 4 channel,
                    such as V4 or C4 controller.
**All on/off + Zone4 off**: Long press 2s set as 4 zone dimming remoter, match with four receivers.

**Model: R21**
**8 zone DIM remoter**

2 Bright   Bright+

2 Scene

All on/off

Bright-

Zone on

Zone off

8-Zone Dimmer
R21
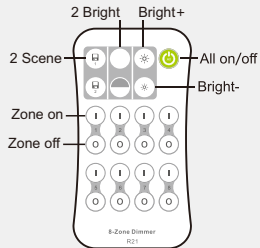
All on/off: Turn on/off all 8 zone light.
1,2,3,4,5,6,7,8 zone on/off: Turn on/off zone light,
           Continuous short press multiple zone on key,
           can synchronous select multiple zone.
Bright+/-: Adjust brightness, short press 10 levels,
          long press 1-5s continuous 256 levels adjustment.
2 Scene: Short press run the scene, long press 2s save.
          8 zone run or save synchronously.

## Malfunctions analysis & troubleshooting

| Malfunctions | Causes | Troubleshooting |
|---|---|---|
| No response from the remoter | 1. The battery has no power.<br>2. Beyond controllable distance.<br>3. The controller did not match<br>   the remoter. | 1. Replace battery.<br>2. Reduce remote distance.<br>3. re-match the remoter. |

## Safety & Warnings

1. When installing battery, pay attention to the battery positive and negative polarity.
2. When remote distance becomes smaller and insensitive, replace the battery.
3. A long time without the remote control, remove the battery.
4. Gently handle remoter, beware of falling.
5. This product is suitable for cleaning, drying, and suitable temperature.

## Warranty Agreement

1. 3-year warranty:
  ● The warranty is for free repair or replacement and covers manufacturing faults only.
  ● Do not include fees of on site maintenance and consumable parts.
2. Limited Warranty
  ● Artificial damage caused by improper use, such as use inappropriate power supply,
    improper accessories, improper installation, did not follow the instructions, error using
   or negligence.
  ● Any damages caused by force majeure, such as natural disaster, abnormal voltage.
  ● The normal use of products caused by aging, wear and tear, but it does not affect the
    normal use.